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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:48:33 ON 28 MAY 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:48:41 ON 28 MAY 2003

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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 MAY 2003 HIGHEST RN 521262-77-1

DICTIONARY FILE UPDATES: 27 MAY 2003 HIGHEST RN 521262-77-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

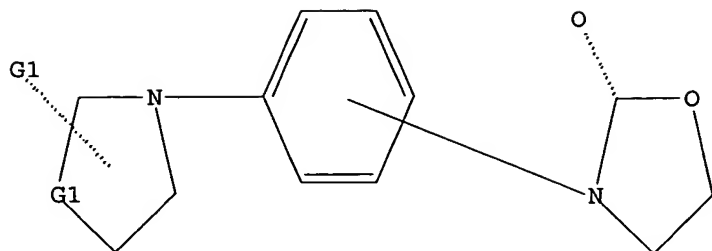
Uploading 10032392.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 08:48:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1490 TO ITERATE

100.0% PROCESSED 1490 ITERATIONS 123 ANSWERS
SEARCH TIME: 00.00.01

L2 123 SEA SSS FUL L1

=> s l2 and caplus/lc

28000746 CAPLUS/LC

L3 123 L2 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	152.37	152.58

FILE 'CAPLUS' ENTERED AT 08:49:07 ON 28 MAY 2003
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FILE COVERS 1907 - 28 May 2003 VOL 138 ISS 22
FILE LAST UPDATED: 27 May 2003 (20030527/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 20 L3

=> d l4 1-20 ibib abs hitstr

L4 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:5775 CAPLUS
DOCUMENT NUMBER: 138:89797
TITLE: Preparation of substituted oxazolidinones for
combinational therapy in the treatment and/or
prophylaxis of thromboembolic diseases
INVENTOR(S): Straub, Alexander; Lampe, Thomas; Pernerstorfer,
Josef; Perzborn, Elisabeth; Pohlmann, Jens; Roehrig,
Susanne; Schlemmer, Karl-Heinz
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 161 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003000256	A1	20030103	WO 2002-EP6237	20020607
WO 2003000256	C2	20030206		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 10129725 A1 20030102 DE 2001-10129725 A 20010620
PRIORITY APPL. INFO.:
OTHER SOURCE(S): MARPAT 138:89797
GI

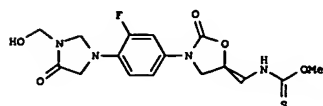
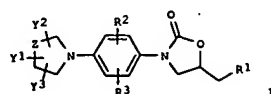
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to combinations of (A) oxazolidinones I (R1 = 5-X-2-thienyl (X = Cl, Br, Me, CF3); R2 = DA; A = phenylene; D = 5- or 6-membered heterocyclic ring contg. S, N or O; R4 - R8 = H), or their pharmaceutically acceptable salts, hydrates, prodrugs or their mixts. and (B) other pharmaceutically active ingredients; to a method for producing said combinations; and to the use thereof as medicaments, in particular for the treatment and/or prophylaxis of thrombo-embolic diseases. Thus, the claimed oxazolidinone II was prepd. from epoxide III via epoxide ring opening with aniline deriv. IV, cyclization with carbonyldiimidazole, and N-acylation with 5-chlorothiophene-2-sulfonyl chloride. II was tested for antithrombotic activity in the arteriovenous shunt model (Rat) after [ED50 = 3 mg/kg (p.o.); IC50 = 0.7 nM]; II had a synergistic effect when used in combination with clopidogrel.
IT 482305-90-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:504766 CAPLUS
DOCUMENT NUMBER: 137:78944
TITLE: Preparation of aryloxazolidinones as antibacterials.
INVENTOR(S): Natesan, Selvakumar; Das, Jagattaran; Iqbal, Javed; Magadi, Sitaram Kumar; Mamidi, Naga Venkata Srinivasa Rao; Ramamujan, Rajagopalan; Sundarababu, Baskaran; Lohray, Braj Bhusan
PATENT ASSIGNEE(S): Reddy's Research Foundation, India
SOURCE: PCT Int. Appl., 158 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051819	A2	20020704	WO 2001-IN227	20011226
WO 2002051819	A3	20021205		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

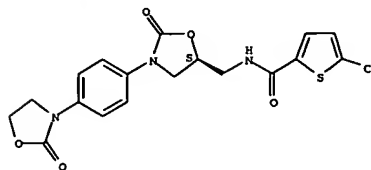
US 2003065175 A1 20030403 US 2001-32392 20011221
PRIORITY APPL. INFO.: IN 2000-MAL124 A 20001226
IN 2001-MAL15 A 20010115
OTHER SOURCE(S): MARPAT 137:78944
GI



AB Title compds. [I: R1 = halo, N3, SCN, SH, OR4, N(R4)2; R4 = H, (substituted) acyl, thioacyl, alkoxy, carbonyl, cycloalkoxythiocarbonyl, alkenyloxy, carbonyl, alkenyl, carbonyl, aryloxy, carbonyl, alkoxy, carbonyl, alkenyloxythiocarbonyl, aryloxythiocarbonyl, COCOAr, COCOAr, COCOAlk,

L4 ANSWER 1 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)
(prepn. and pharmacol. activity of; prepn. of substituted oxazolidinones for combinational therapy in the treatment and/or prophylaxis of thromboembolic diseases)
RN 482305-90-8 CAPLUS
CN 2-Thiophenecarboxamide, 5-chloro-N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

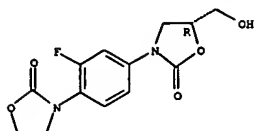


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)
COCOAr, CS2A, CSNH2, CSNHA, CSNA2, CSNHak, CSCOalk, CSCOAr, CSO2CA, CSCSA, CSCSA, thiomorpholinylthiocarbonyl, pyrrolidinylthiocarbonyl; A = alkyl; Ar = aryl; Alk = alkoxy; Ak = alkenyl; R2, R3 = H, halo, alkyl, haloalkyl, cyano, nitro, SRA, NRA, ORa; Ra = (substituted) alkyl, haloalkyl; Z = S, O, CH, NRb; Rb = H, (substituted) alkyl, alkenyl, cycloalkyl, alkoxy, aryl, aralkyl, aryloxy, alkyl, carbonyl, alkoxy, carbonyl, alkoxy, carbonyl, aryloxy, carbonyl; Y1 = O, S; Y2, Y3 = H, halo, cyano, NO2, formyl, OH, amino, O, S, (substituted) alkyl, hydroxyalkyl, alkoxyalkyl, alkoxy, carbonyl, carboxyalkyl, alkyl, sulfonyl, alkyl, carbonyl, aminoalkyl, aryl, carbonyl, aminoalkyl, alkyl, carbonyl, alkoxyalkyl, aminoalkyl, monoalkylamino, dialkylamino, arylamino, alkoxy, aryl, aryloxy, aralkyl, heteroaryl, heteroalkyl, heterocyclyl heterocycloalkyl; adjacent Y2Y3 form a (substituted) 5-6 membered arom. or nonarom. cyclic structure, optionally contg. 1-2 heteroatoms], were prepd. Thus, title compd. (II) (general prepn. given) showed a min. inhibitory concn. of 0.25 .mu.g/mL against Staphylococcus aureus 019 MRSA.
IT 439902-57-5P 439902-58-6P 439902-59-7P
439902-61-1P 439902-62-2P 439902-63-3P
439902-64-4P 439902-65-5P 439902-66-6P
439902-67-7P 439902-68-8P 439902-69-9P
439902-70-0P 439902-71-1P 439902-72-2P
439902-73-3P 439902-74-4P 439902-75-5P
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439904-04-4P

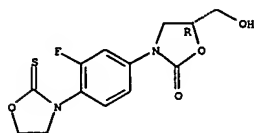
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of aryloxazolidinones as antibacterials)
RN 439902-57-5 CAPLUS
CN 2-Oxazolidinone, 3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-5-(hydroxymethyl)-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



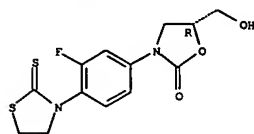
RN 439902-58-6 CAPLUS
CN 2-Oxazolidinone, 3-[3-fluoro-4-(2-thioxo-3-oxazolidinyl)phenyl]-5-(hydroxymethyl)-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



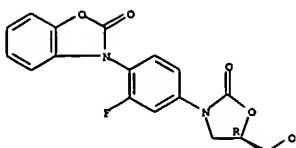
RN 439902-59-7 CAPLUS
CN 2-Oxazolidinone, 3-[2-fluoro-4-(2-thioxo-3-thiazolidinyl)phenyl]-5-(hydroxymethyl)-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



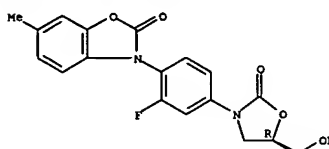
RN 439902-61-1 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[2-fluoro-4-[(5R)-5-(hydroxymethyl)-2-oxo-3-oxazolidinyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



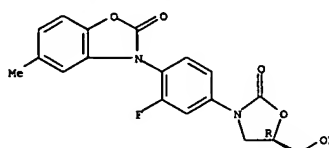
RN 439902-62-2 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[2-fluoro-4-[(5R)-5-(hydroxymethyl)-2-oxo-3-oxazolidinyl]phenyl]-6-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



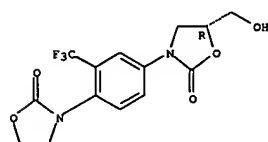
RN 439902-63-3 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[2-fluoro-4-[(5R)-5-(hydroxymethyl)-2-oxo-3-oxazolidinyl]phenyl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



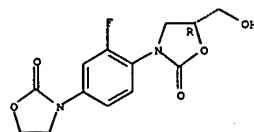
RN 439902-64-4 CAPLUS
CN 2-Oxazolidinone, 5-(hydroxymethyl)-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



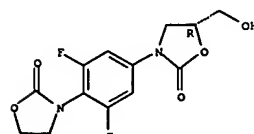
RN 439902-65-5 CAPLUS
CN 2-Oxazolidinone, 3-[2-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-5-(hydroxymethyl)-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



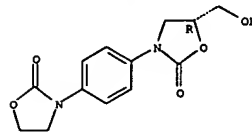
RN 439902-66-6 CAPLUS
CN 2-Oxazolidinone, 3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-5-(hydroxymethyl)-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



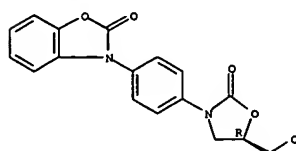
RN 439902-67-7 CAPLUS
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Absolute stereochemistry.



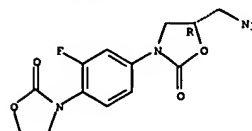
RN 439902-68-8 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[4-[(5R)-5-(hydroxymethyl)-2-oxo-3-oxazolidinyl]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



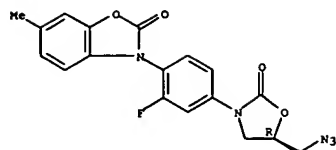
RN 439902-76-8 CAPLUS
CN 2-Oxazolidinone, 5-(azidomethyl)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



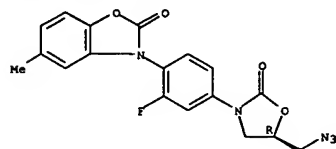
RN 439902-78-0 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[4-[(5R)-5-(azidomethyl)-2-oxo-3-oxazolidinyl]-2-fluorophenyl]-6-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



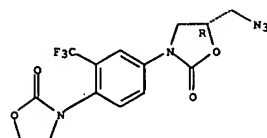
RN 439902-79-1 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[4-((5R)-5-(azidomethyl)-2-oxo-3-oxazolidinyl)-2-fluorophenyl]-5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



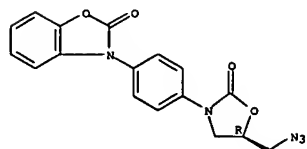
RN 439902-80-4 CAPLUS
CN 2-Oxazolidinone, 5-(azidomethyl)-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



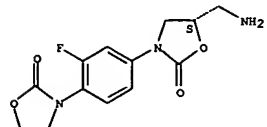
RN 439902-81-5 CAPLUS
CN 2-Oxazolidinone, 5-(azidomethyl)-3-[2-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



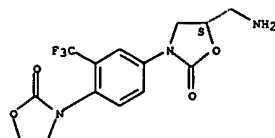
RN 439902-88-2 CAPLUS
CN 2-Oxazolidinone, 5-(aminomethyl)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



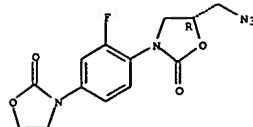
RN 439902-90-6 CAPLUS
CN 2-Oxazolidinone, 5-(aminomethyl)-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



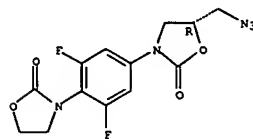
RN 439902-91-7 CAPLUS
CN 2-Oxazolidinone, 5-(aminomethyl)-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-, (5S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



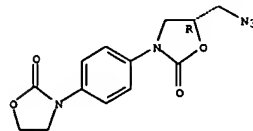
RN 439902-82-6 CAPLUS
CN 2-Oxazolidinone, 5-(azidomethyl)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



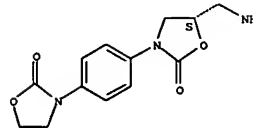
RN 439902-83-7 CAPLUS
CN 2-Oxazolidinone, 5-(azidomethyl)-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-, (5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



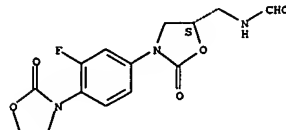
RN 439902-84-8 CAPLUS
CN 2(3H)-Benzoxazolone, 3-[4-((5R)-5-(azidomethyl)-2-oxo-3-oxazolidinyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



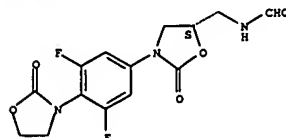
RN 439902-94-0 CAPLUS
CN Formamide, N-[[[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



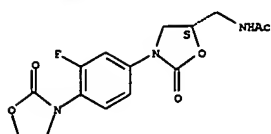
RN 439902-95-1 CAPLUS
CN Formamide, N-[[[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



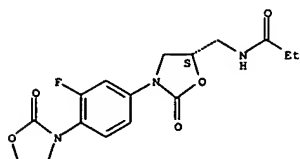
RN 439902-96-2 CAPLUS
CN Acetamide, N-[[[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



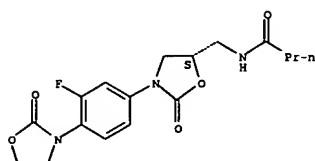
RN 439902-97-3 CAPLUS
CN Propanamide,
N-[[[5S]-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



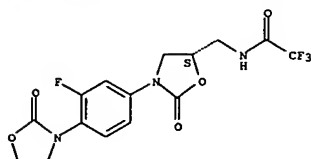
RN 439902-98-4 CAPLUS
CN Butanamide, N-[[[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



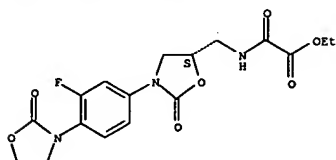
RN 439902-99-5 CAPLUS
CN Pentanamide,
N-[[[5S]-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



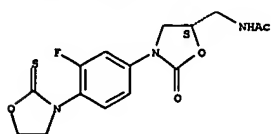
RN 439903-03-4 CAPLUS
CN Acetic acid, [[[(5S)-3-{3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl}-2-oxo-5-oxazolidinyl)methyl]amino]oxo-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



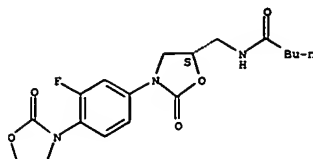
RN 439903-04-5 CAPIUS
CN Acetamide,
N-[[[5S]-3-[3-fluoro-4-(2-thioxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



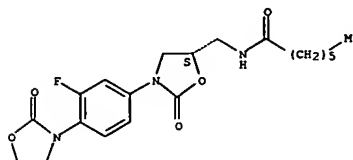
RN 439903-05-6 CAPLUS
CN Acetamide, N-[[[(5S)-2-oxo-3-[4-(2-thioxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]- (9Ci) (CA INDEX NAME)

Absolute stereochemistry.



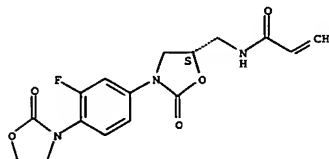
RN 439903-00-1 CAPLUS
CN Heptanamide,
N-[[[5S]-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



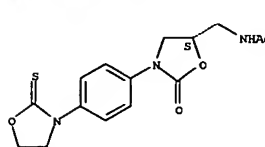
RN 439903-01-2 CAPLUS
CN 2-Propenamide,
N-[[5S]-3-{3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl}-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



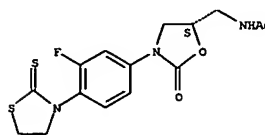
RN 439903-02-3 CAPLUS
CN Acetamide, 2,2,2-trifluoro-N-[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



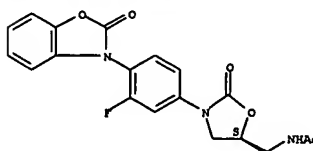
RN 439903-06-7 CAPLUS
CN Acetamide,
N-[[5S]-3-[3-fluoro-4-(2-thioxo-3-thiazolidinyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



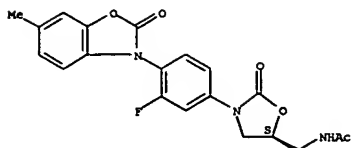
RN 439903-08-9 CAPLUS
CN Acetamide,
N-[[5S]-3-[3-fluoro-4-(2-oxo-3(2H)-benzoxazolyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



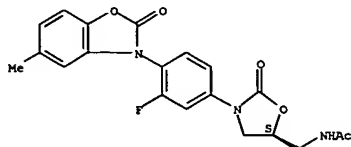
RN 439903-09-0 CAPLUS
CN Acetamide, N-[[(5S)-3-[3-fluoro-4-(6-methyl-2-oxo-3(2H)-benzoxazolyl)phenyl]-2-oxo-5-oxazolidinyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



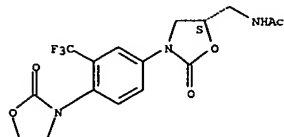
RN 439903-10-3 CAPLUS
CN Acetamide, N-[(5S)-3-[3-fluoro-4-(5-methyl-2-oxo-3(2H)-benzoxazolyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



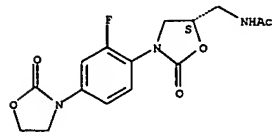
RN 439903-11-4 CAPLUS
CN Acetamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



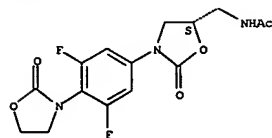
RN 439903-12-5 CAPLUS
CN Propanamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



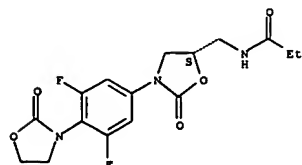
RN 439903-16-9 CAPLUS
CN Acetamide, N-[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



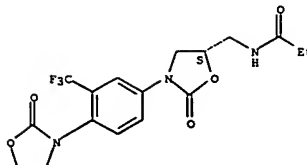
RN 439903-17-0 CAPLUS
CN Propanamide, N-[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



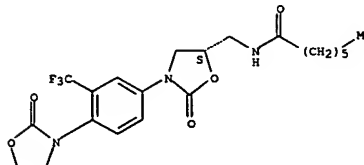
RN 439903-18-1 CAPLUS
CN Acetamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



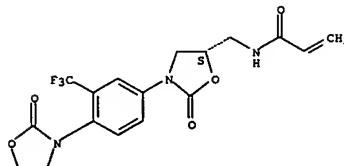
RN 439903-13-6 CAPLUS
CN Heptanamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



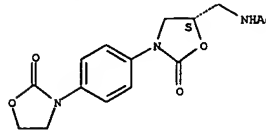
RN 439903-14-7 CAPLUS
CN 2-Propanamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



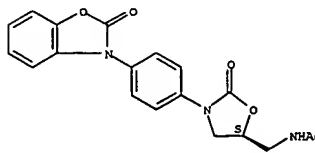
RN 439903-15-8 CAPLUS
CN Acetamide, N-[(5S)-3-[2-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



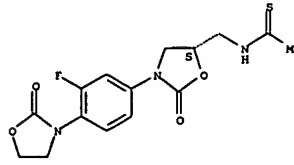
RN 439903-19-2 CAPLUS
CN Acetamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3(2H)-benzoxazolyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



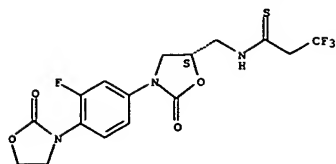
RN 439903-27-2 CAPLUS
CN Ethanethioamide, N-[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



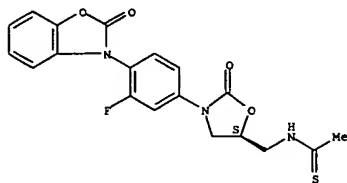
RN 439903-28-3 CAPLUS
CN Propanethioamide, 3,3,3-trifluoro-N-[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



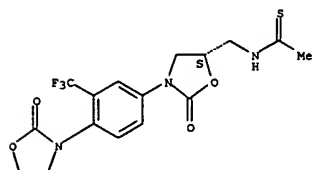
RN 439903-30-7 CAPLUS
CN Ethanethioamide,
N-[(5S)-3-[3-fluoro-4-(2-oxo-3(2H)-benzoxazolyl)phenyl]-
2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



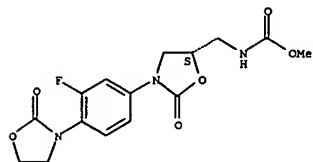
RN 439903-31-8 CAPLUS
CN Ethanethioamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(
(trifluoromethyl)phenyl]-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



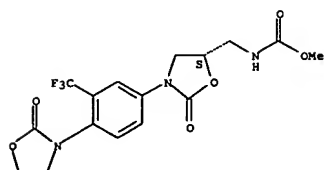
RN 439903-32-9 CAPLUS
CN Ethanethioamide,
N-[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-
2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



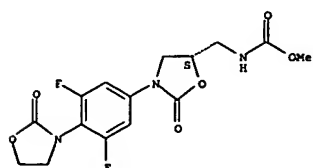
RN 439903-38-5 CAPLUS
CN Carbamic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(
(trifluoromethyl)phenyl]-5-oxazolidinyl]methyl]-, methyl ester (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



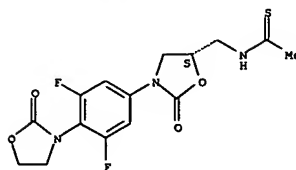
RN 439903-39-6 CAPLUS
CN Carbamic acid, [(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-
oxo-5-oxazolidinyl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



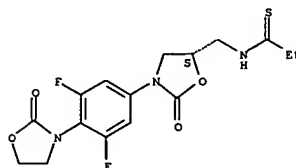
RN 439903-40-9 CAPLUS
CN Carbamic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-
oxazolidinyl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



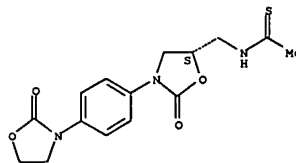
RN 439903-33-0 CAPLUS
CN Propanethioamide,
N-[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-
2-oxo-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



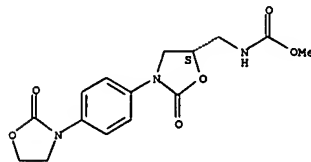
RN 439903-34-1 CAPLUS
CN Ethanethioamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-
oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



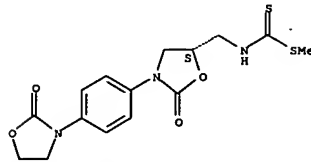
RN 439903-37-4 CAPLUS
CN Carbamic acid,
[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-
oxazolidinyl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



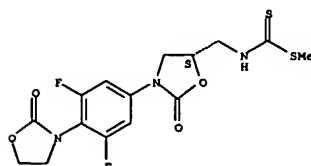
RN 439903-42-1 CAPLUS
CN Carbamodithioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-
oxazolidinyl]methyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



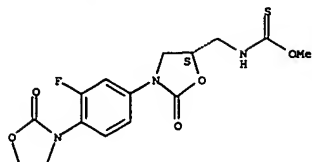
RN 439903-43-2 CAPLUS
CN Carbamodithioic acid, [(5S)-3-[3,5-difluoro-4-(2-oxo-3-
oxazolidinyl)phenyl]-2-oxo-5-oxazolidinyl]methyl]-, methyl ester (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



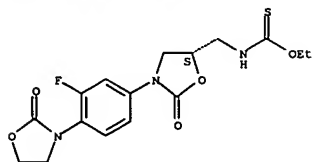
RN 439903-44-3 CAPLUS
CN Carbamodithioic acid, [(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-
oxo-5-oxazolidinyl]methyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



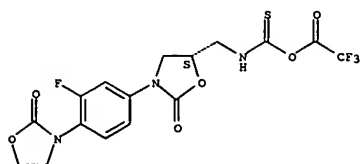
RN 439903-45-4 CAPLUS
 CN Carbamothioic acid, [(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]-, O-ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439903-46-5 CAPLUS
 CN Acetic acid, trifluoro-, anhydride with [(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]carbamothioic acid (9CI) (CA INDEX NAME)

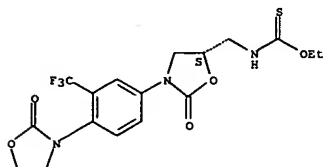
Absolute stereochemistry.



RN 439903-47-6 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-cyclohexyl ester (9CI) (CA INDEX NAME)

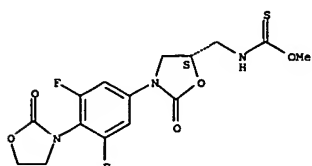
Absolute stereochemistry.

Absolute stereochemistry.



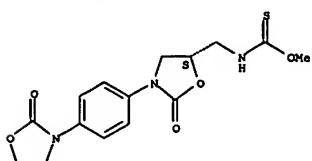
RN 439903-55-6 CAPLUS
 CN Carbamothioic acid, [(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



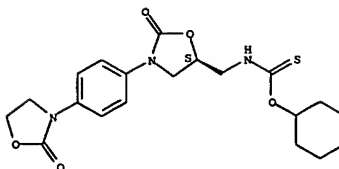
RN 439903-56-7 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



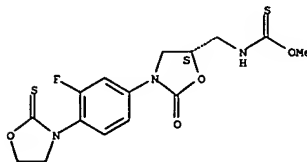
RN 439903-57-8 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



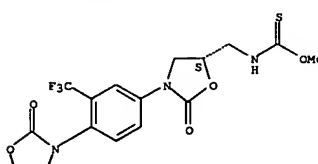
RN 439903-48-7 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



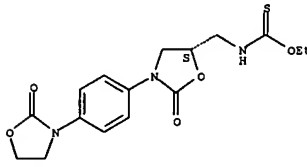
RN 439903-53-4 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



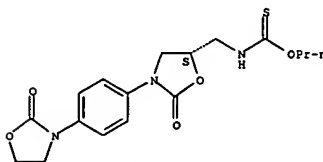
RN 439903-54-5 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)-3-(trifluoromethyl)phenyl]-5-oxazolidinylmethyl]-, O-ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



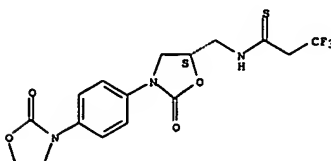
RN 439903-59-0 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-propyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



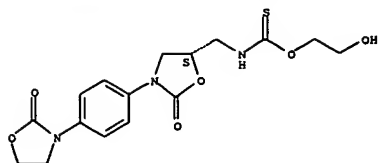
RN 439903-61-4 CAPLUS
 CN Propanethioamide, 3,3,3-trifluoro-N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



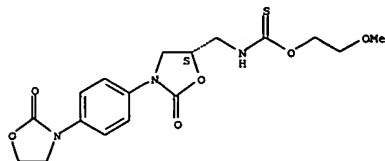
RN 439903-63-6 CAPLUS
 CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-(2-hydroxyethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



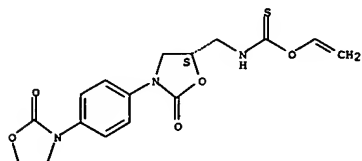
RN 439903-65-8 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-, O-(2-methoxyethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439903-66-9 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-, O-ethenyl ester (9CI) (CA INDEX NAME)

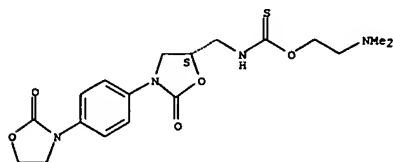
Absolute stereochemistry.



RN 439903-67-0 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-, O-(1-methylethyl) ester (9CI) (CA INDEX NAME)

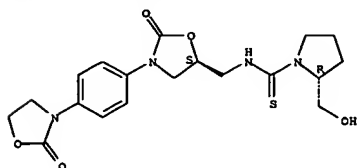
Absolute stereochemistry.

Absolute stereochemistry.



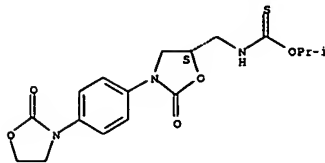
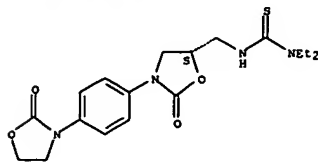
RN 439903-90-9 CAPLUS
CN 1-Pyrrolidinecarbothioamide, 2-(hydroxymethyl)-N-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



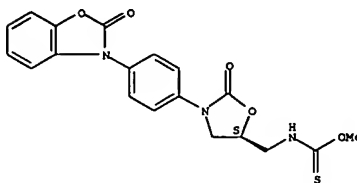
RN 439903-91-0 CAPLUS
CN Thiourea, N,N-diethyl-N'-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



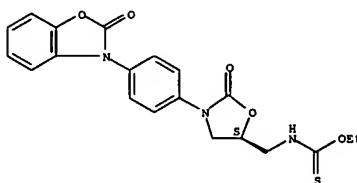
RN 439903-68-1 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3(2H)-benzoxazolyl)phenyl]-5-oxazolidinyl]methyl]-, O-methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439903-69-2 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3(2H)-benzoxazolyl)phenyl]-5-oxazolidinyl]methyl]-, O-ethyl ester (9CI) (CA INDEX NAME)

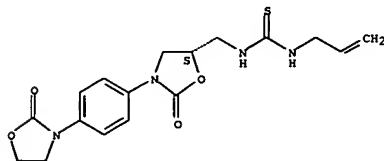
Absolute stereochemistry.



RN 439903-81-8 CAPLUS
CN Carbamothioic acid, [[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-

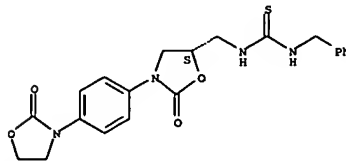
RN 439903-92-1 CAPLUS
CN Thiourea, N-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-N'-2-propenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



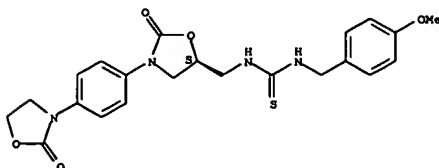
RN 439903-93-2 CAPLUS
CN Thiourea, N-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]-N'-(phenyl)methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439903-94-3 CAPLUS
CN Thiourea, N-[[[(4-methoxyphenyl)methyl]-N'-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinyl]methyl]- (9CI) (CA INDEX NAME)

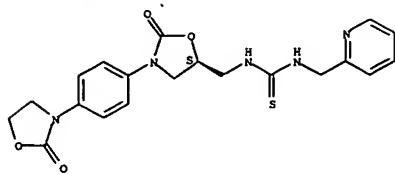
Absolute stereochemistry.



RN 439903-95-4 CAPLUS
CN Thiourea, N-[[[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-

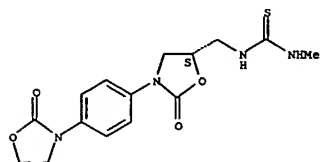
L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)
oxazolidinylmethyl)-N'-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



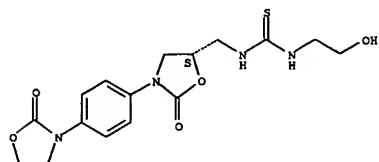
RN 439903-96-5 CAPLUS
CN Thiourea, N-methyl-N'-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



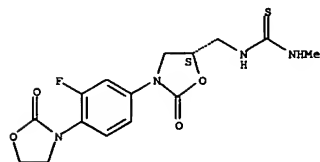
RN 439903-97-6 CAPLUS
CN Thiourea, N-(2-hydroxyethyl)-N'-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



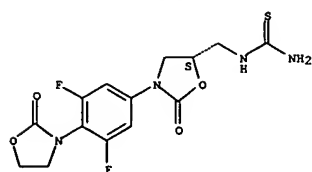
RN 439903-98-7 CAPLUS
CN 4-Thiomorpholinecarbothioamide, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



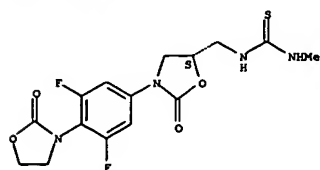
RN 439904-02-6 CAPLUS
CN Thiourea, [(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



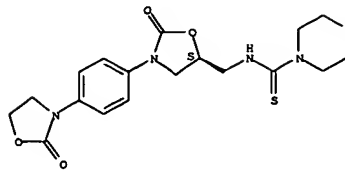
RN 439904-03-7 CAPLUS
CN Thiourea, N-[(5S)-3-[3,5-difluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]-N'-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



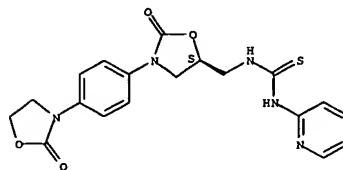
RN 439904-04-8 CAPLUS
CN Carbamothioic acid, [(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-, O-[2-(dimethylamino)ethyl] ester, monohydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)
Absolute stereochemistry.



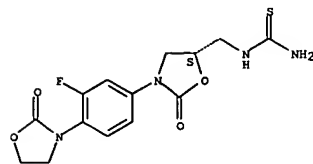
RN 439903-99-8 CAPLUS
CN Thiourea, N-[(5S)-2-oxo-3-[4-(2-oxo-3-oxazolidinyl)phenyl]-5-oxazolidinylmethyl]-N'-2-pyridinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 439904-00-4 CAPLUS
CN Thiourea, [(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

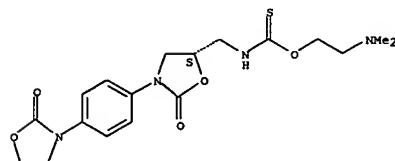


RN 439904-01-5 CAPLUS
CN Thiourea, N-[(5S)-3-[3-fluoro-4-(2-oxo-3-oxazolidinyl)phenyl]-2-oxo-5-oxazolidinylmethyl]-N'-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 2 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)

Absolute stereochemistry.



● HCl

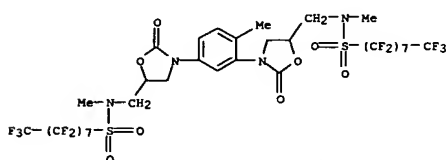
L4 ANSWER 3 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:327929 CAPLUS
 DOCUMENT NUMBER: 136:341549
 TITLE: Thermoplastic composition comprising fluoroaliphatic radical-containing surface-modifying additive, shaped articles and making them
 INVENTOR(S): Thompson, Delton R., Jr.; Klun, Thomas P.
 PATENT ASSIGNEE(S): 3M Innovative Properties Company, USA
 SOURCE: U.S., 12 pp., Cont.-in-part of U.S. Ser. No. 83,996, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6380289	B1	20020430	US 1999-421652	19991020
PRIORITY APPLN. INFO.: US 1993-83996 B2 19930628				

AB A thermoplastic compn. comprises (a) a major amt. of a semi-cryst. thermoplastic polymer, (b) 0.1-2% fluoroaliph. radical-contg. surface-modifying additive e.g. water repellent, and (c) 5-25% second thermoplastic polymer to enhance the effects of the surface-modifying additive. A dry blend was prepd. by mixing 898 g PP 3505G polypropylene, 2% fluorochem. oxazolidinone surface-modifying additive, and 10% PB 0200 polybutylene. The blend had an oil resistance rating 8.0 and water resistance rating 10.0, vs. 0 and 2.0, resp., without oxazolidinone and polybutylene.

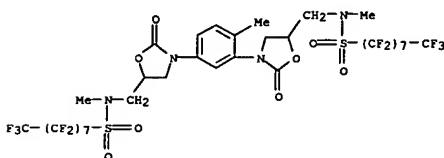
IT 116250-58-9
 RL: MOA (Modifier or additive use); USES (Uses)
 (thermoplastic compn. comprising fluoroaliph. radical-contg. surface-modifying additive and polymer)

RN 116250-58-9 CAPLUS
 CN 1-Octanesulfonamide, N,N'-[(4-methyl-1,3-phenylene)bis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-methyl- (9CI) (CA INDEX NAME)]

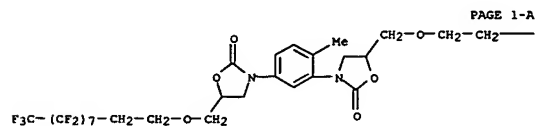


REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.

L4 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)
 (water and oil repellents, for fibers and films)
 RN 116250-58-9 CAPLUS
 CN 1-Octanesulfonamide, N,N'-[(4-methyl-1,3-phenylene)bis[(2-oxo-3,5-oxazolidinediyl)methylene]]bis[1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-N-methyl- (9CI) (CA INDEX NAME)]



RN 116250-67-0 CAPLUS
 CN 2-Oxazolidinone, 3,3'-[(4-methyl-1,3-phenylene)bis[5-[[[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl)oxy]methyl]- (9CI) (CA INDEX NAME)]



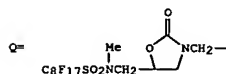
— (CF2)7—CF3

PAGE 1-B

L4 ANSWER 4 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1988:512024 CAPLUS
 DOCUMENT NUMBER: 109:112024
 TITLE: Fluoroalkyl group-containing oxazolidinones
 INVENTOR(S): Crater, Davis H.; Howells, Richard D.; Stern, Richard M.; Temperante, John A.
 PATENT ASSIGNEE(S): Minnesota Mining and Mfg. Co., USA
 SOURCE: Eur. Pat. Appl., 34 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 260011	A2	19880316	EP 1987-307470	19870824
EP 260011	A3	19900606		
EP 260011	B1	19940302		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CA 1323370	A1	19931019	CA 1987-544094	19870810
ES 2061506	T3	19941216	ES 1987-307470	19870824
AU 8778167	A1	19880317	AU 1987-78167	19870908
AU 603604	B2	19901122		
JP 63093771	A2	19880425	JP 1987-228215	19870911
BR 8704725	A	19880503	BR 1987-4725	19870911
JP 09263659	A2	19971007	JP 1996-218804	19870911
US 5025052	A	19910618	US 1990-486598	19900227
US 5099026	A	19920324	US 1991-652461	19910207
IN 173358	A	19940409	IN 1991-MA344	19910430
IN 174278	A	19941029	IN 1992-MA678	19921111
PRIORITY APPLN. INFO.: US 1986-906817 A 19860912				
IN 1987-MA583 A1 19870813				
JP 1987-228215 A3 19870911				
US 1988-235757 B3 19880808				
US 1990-481670 B1 19900214				

GI



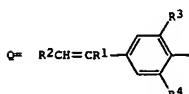
AB The title compds. useful as water and oil repellents for fabrics contain .gtoreq.1 2-oxazolidinone moieties, at least one of which has a monovalent fluoroaliph. radical bonded to the 5-position by an org. linking group. Thus, heating a mixt. of 47.0 g m-xylylene diisocyanate, 50 g AcOEt, 6 drops Bu2Sn dilaurate, and 50% AcOEt soln. contg. 297 g C8H17SO2NMeCH2CH(OH)CH2Cl at 75.degree. for 4 h, then heating with a soln. of 27.0 g NaOMe in 81 g MeOH at 50.degree. for 5.5 h, and working up gave m-C6H4Q2.

IT 116250-58-9 116250-67-0
 RL: USES (Uses)

L4 ANSWER 5 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1988:95480 CAPLUS
 DOCUMENT NUMBER: 108:95480
 TITLE: Styryloxy resins and their compositions
 INVENTOR(S): Woods, John; Harris, Stephen J.; Rooney, John
 PATENT ASSIGNEE(S): Locutite (Ireland) Ltd., Ire.
 SOURCE: Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 220831	A2	19870506	EP 1986-307335	19860924
EP 220831	A3	19881019		
EP 220831	B1	19940420		
R: DE, FR, GB				
US 4732956	A	19880322	US 1985-779737	19850924
PRIORITY APPLN. INFO.: US 1985-779737 19850924				
US 1984-621419 19840618				
US 1984-667724 19841204				

GI



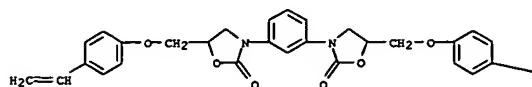
AB (RO)2Z and (RO2)nZ1 (R = Q; R1 = R2 = H or 1 of R1 and R2 = H and the other is Me; R3 and R4 = H, lower alkyl, or alkoxy if R2 is not Me; Z = divalent group; Z1 = polyvalent group free of groups interfering with cationic polym.; n .gtoreq.2) are prepd. which are UV-curable, exhibit high reactivity in polymns. and develop an intense color during polymn.

in the presence of acid-generating photoinitiators or during chem. initiated polymn. .alpha.,.alpha.'-Bis(2-methoxy-4-vinylphenoxy)-p-xylene was prepd. from 2-methoxy-4-vinylphenol and .alpha.,.alpha.'-dibromo-p-xylene and photopolyd. in the presence of UVE 1014 to give a tackfree, brittle film which had an intense purple color and was insol. in common org. solvents

IT 110924-49-7P
 RL: PREP (Preparation)
 (prepn. of polymerizable)

RN 110924-49-7 CAPLUS
 CN 2-Oxazolidinone, 3,3'-[(methyl-1,3-phenylene)bis[5-[(4-ethenylphenoxy)methyl]- (9CI) (CA INDEX NAME)]

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D1-Me

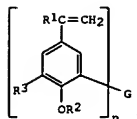
PAGE 1-B



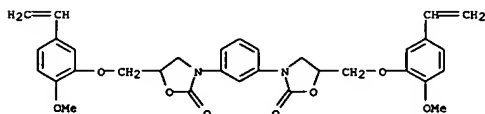
ACCESSION NUMBER: 1987:177455 CAPLUS
 DOCUMENT NUMBER: 106:177455
 TITLE: Preparation of meta-bridged styryloxy resins
 INVENTOR(S): Woods, John G.; Rooney, John M.
 PATENT ASSIGNEE(S): Loctite (Ireland) Ltd., Ire.
 SOURCE: U.S., 7 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4640849	A	19870203	US 1986-824903	19860131
JP 63174945	A2	19880719	JP 1987-7966	19870116
JP 06043457	B4	19940608		
EP 232143	A2	19870812	EP 1987-300825	19870130
EP 232143	A3	19881019		
EP 232143	B1	19911009		
R: DE, FR, GB, IT				
US 5021512	A	19910604	US 1989-351310	19890504
PRIORITY APPLN. INFO.:			US 1984-621419	19840618
			US 1984-667724	19841204
			US 1985-779737	19850924
			IE 1986-32	19860107
			US 1986-824903	19860131
			US 1987-1498	19870105

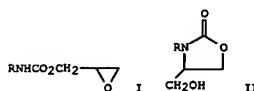
GI



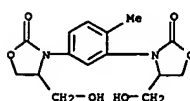
AB The title cationically polymerizable resins comprise I (R1 = H or Me; R2 =
 = (halosubstituted) hydrocarbyl or hydrocarbyl interrupted by ether O; R3 =
 H, lower alkyl, alkoxy; G = multivalent (in)org. group not contg. amino
 or
 aliph. thiol; n = .gtoreq.2). A soln. of 13.3 g 3-allyloxy-4-methoxystyrene in 49 g PhMe was added to 35.5 g of a SiH-terminated di-Me siloxane using a Pt catalyst, giving a difunctional styryloxy resin (II). II was mixed with 4l of a triarylsulfonium salt photoinitiator (UVE 1014) and exposed to UV for 90 s to give a rubbery, deep red material that did not dissolve in CH2Cl2 on shaking for 3 min.
 IT 107817-43-6P
 RL: PREP (Preparation)
 (prepn. of cationically curable)
 RN 107817-43-6 CAPLUS



ACCESSION NUMBER: 1981:570260 CAPLUS
 DOCUMENT NUMBER: 95:170260
 TITLE: Products of the isomerization of glycidylurethanes
 Sorokin, M. F.; Shode, L. G.; Ratov, A. N.; Onosova, L. A.; Pavlyukov, S. A.
 AUTHOR(S): Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
 CORPORATE SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(5), 561-5
 SOURCE: CODEN: IVUKAR; ISSN: 0579-2991
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 GI



AB Cyclization of the title compds. (I) in solvents, bulk, or in bulk in the presence of Bu3N [102-82-9] catalyst gave the corresponding 4-(hydroxymethyl)-2-oxazolidinones (II). I were prepd. by reacting Ph isocyanate, 2,4-tolylene diisocyanate, and hexamethylene diisocyanate with glycidol. The cyclization of I was investigated as model reaction for crosslinking of glycidylurethane-terminated polymers. The structure of II was proved by IR and NMR spectra, and acetylation.
 IT 79473-16-8P
 RL: FORM (Formation, nonpreparative); PREP (Preparation)
 (formation of, by cyclization of diglycidyl tolylenebis(carbamate))
 RN 79473-16-8 CAPLUS
 CN 2-Oxazolidinone, 3,3'-(4-methyl-1,3-phenylene)bis[4-(hydroxymethyl)- (9CI)
 (CA INDEX NAME)



ACCESSION NUMBER: 1979:421173 CAPLUS

DOCUMENT NUMBER: 91:21173

TITLE: Poly-2-oxazolidinones prepared from isocyanates and epoxides

AUTHOR(S): Braun, Dietrich; Weinert, Johann

CORPORATE SOURCE: Dtsch. Kunstst. Inst., Darmstadt, 6100, Fed. Rep. Ger.

SOURCE: Angewandte Makromolekulare Chemie (1979), 78, 1-19

CODEN: ANMCBO; ISSN: 0003-3146

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Diisocyanates [OCNZNCO; Z = (CH₂)₆, p-C₆H₄, 2,6-tolylene] are copolymd.

in polar org. solvents with bisphenol A and hydroquinone diglycidyl ethers, p-phenylenedioxirane, and hexamethylenedioxirane to give polymers contg. 2-oxazolidinone units and stable to 250-340.degree.C. OMC(CH₂)₆NCO with arom. dioxiranes yields products m. 80-100.degree. and sol. in DMF, while arom. diisocyanates provide polymers m. 210-30.degree. plus dark, infusible byproducts, the formation of which may be avoided by using low-melting mono-oxazolidinones as solvents.

IT 70649-94-4P 70649-95-5P 70649-96-6P

70649-97-7P 70649-98-8P 70649-99-9P

70650-00-9P 70656-56-3P

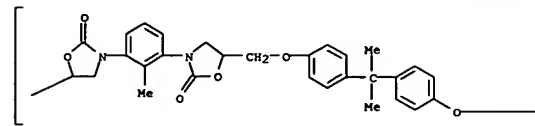
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)

(prepn. and thermal properties of)

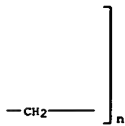
RN 70649-94-4 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)(2-methyl-1,3-phenylene)(2-oxo-3,5-oxazolidinediyl)methyleneoxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxymethylene] (9CI) (CA INDEX NAME)

PAGE 1-A



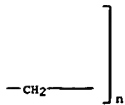
PAGE 1-B



RN 70649-95-5 CAPLUS

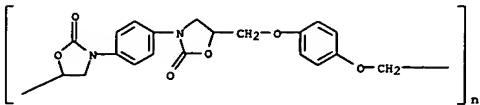
CN Poly[(2-oxo-5,3-oxazolidinediyl)(2-methyl-1,3-phenylene)(2-oxo-3,5-oxazolidinediyl)methyleneoxy-1,4-phenylene] (9CI) (CA INDEX NAME)

PAGE 1-B



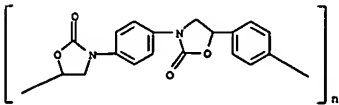
RN 70649-99-9 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)-1,4-phenylene(2-oxo-3,5-oxazolidinediyl)methyleneoxy-1,4-phenyleneoxymethylene] (9CI) (CA INDEX NAME)



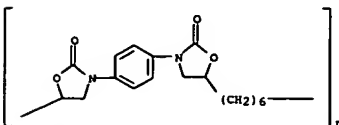
RN 70650-00-9 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)-1,4-phenylene(2-oxo-3,5-oxazolidinediyl)-1,4-phenylene] (9CI) (CA INDEX NAME)



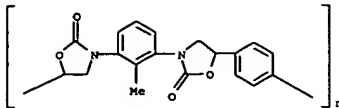
RN 70656-56-3 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)-1,4-phenylene(2-oxo-3,5-oxazolidinediyl)-1,6-hexanedyl] (9CI) (CA INDEX NAME)



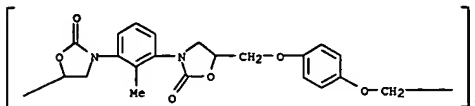
IT 69974-32-9 69974-33-0

RL: PRP (Properties)



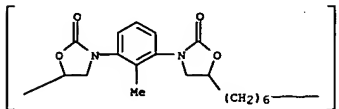
RN 70649-96-6 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)(2-methyl-1,3-phenylene)(2-oxo-3,5-oxazolidinediyl)methyleneoxy-1,4-phenyleneoxymethylene] (9CI) (CA INDEX NAME)



RN 70649-97-7 CAPLUS

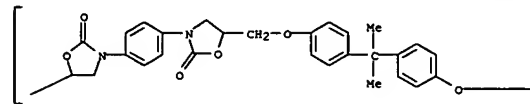
CN Poly[(2-oxo-5,3-oxazolidinediyl)(2-methyl-1,3-phenylene)(2-oxo-3,5-oxazolidinediyl)-1,6-hexanedyl] (9CI) (CA INDEX NAME)



RN 70649-98-8 CAPLUS

CN Poly[(2-oxo-5,3-oxazolidinediyl)-1,4-phenylene(2-oxo-3,5-oxazolidinediyl)methyleneoxy-1,4-phenylene(1-methylethylidene)-1,4-phenyleneoxymethylene] (9CI) (CA INDEX NAME)

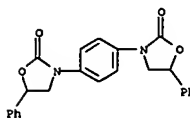
PAGE 1-A



(thermal stability of)

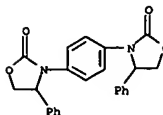
RN 69974-32-9 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis(5-phenyl- (9CI) (CA INDEX NAME)



RN 69974-33-0 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis(4-phenyl- (9CI) (CA INDEX NAME)



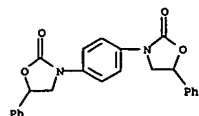
L4 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1979:168494 CAPLUS
DOCUMENT NUMBER: 90:168494
TITLE: Reaction of epoxides with isocyanates, II.
Preparation and characterization of 2-oxazolidinones
AUTHOR(S): Braun, Dietrich; Weinert, Johann
CORPORATE SOURCE: Dtsch. Kunstst.-Inst., Darmstadt, Fed. Rep. Ger.
SOURCE: Liebigs Annalen der Chemie (1979), (2), 200-9
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German
GI

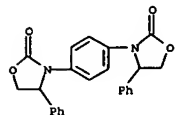


AB Isocyanates react with epoxides to yield 2-oxazolidinones. The reaction of isocyanates with unsym. substituted epoxides I (R = Me, Ph, vinyl) was studied in order to investigate differences in the direction of ring opening of the epoxides as a function of the type of catalyst (nucleophilic or electrophilic). With the exception of I (R = Ph), where 3,4-diphenyl-2-oxazolidinone and 3,3'-p-phenylenebis(4-phenyl-2-oxazolidinone) are formed, epoxides lead to 5-substituted 2-oxazolidinones, independent of the catalyst.

IT 69974-32-9P 69974-33-0P 69974-34-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 69974-32-9 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[5-phenyl- (9CI) (CA INDEX NAME)



RN 69974-33-0 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-phenyl- (9CI) (CA INDEX NAME)



RN 69974-34-1 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-(hydroxymethyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2003 ACS

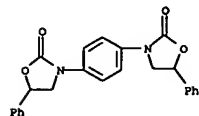
ACCESSION NUMBER: 1979:167509 CAPLUS
DOCUMENT NUMBER: 90:167509
TITLE: Reaction of epoxides with isocyanates, III. Study of 2-oxazolidinones by mass spectrometry
AUTHOR(S): Braun, Dietrich; Weinert, Johann
CORPORATE SOURCE: Dtsch. Kunstst.-Inst., Darmstadt, Fed. Rep. Ger.
SOURCE: Liebigs Annalen der Chemie (1979), (2), 210-18
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: German

AB The decompn. of 2-oxazolidinones in the mass spectrometer is initiated by elimination of CO₂ by .beta.-decompn. and .alpha.-cleavage by liberation of CO and of the corresponding aldehyde. The 5-aryl-3-phenyl-2-oxazolidinones undergo both reactions at roughly equal rates. 5-Alkyl-

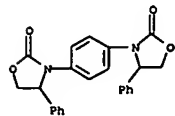
OR 5-alkylidene-3-phenyl-2-oxazolidinones preferentially eliminate CO₂. The main decompn. reaction of 4-aryl-3-phenyl-2-oxazolidinones is .alpha.-cleavage.

IT 69974-21-6 69974-22-7 69974-29-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(mass spectral decompn. of)

RN 69974-21-6 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[5-phenyl-, radical ion(1+) (9CI) (CA INDEX NAME)

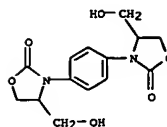


RN 69974-22-7 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-phenyl-, radical ion(1+) (9CI) (CA INDEX NAME)

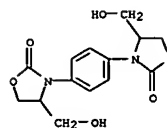


RN 69974-29-4 CAPLUS
CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-(hydroxymethyl)-, conjugate monoacid (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



L4 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



• H⁺

L4 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:570564 CAPLUS
DOCUMENT NUMBER: 81:170564
TITLE: Polymer composition stabilized against the action of light and heat
INVENTOR(S): Murayama, Keisuke; Morimura, Syoji; Yoshioka, Takao; Toda, Toshimasa; Mori, Eiko; Horiuchi, Hideo; Higashida, Susumu; Matsui, Katsuaki; Kurumada, Tomoyuki; et al.
PATENT ASSIGNEE(S): Sankyo Co., Ltd.
SOURCE: Ger. Offen., 71 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2264582	A1	19740502	DE 1972-2264582	19720605
DE 2264582	C3	19790118		
CA 975365	A1	19750930	CA 1972-143447	19720530
IT 961545	A	19731210	IT 1972-25120	19720531
BE 784378	A1	19721204	BE 1972-118271	19720602
NL 7207510	A	19721207	NL 1972-7510	19720602
FR 2166859	A5	19730817	FR 1972-19828	19720602
CH 601399	A	19780714	CH 1972-8230	19720602
ZA 7203827	A	19730328	ZA 1972-3827	19720605
BR 7203608	A0	19730710	BR 1972-3608	19720605
DD 102600	C	19731220	DD 1972-163453	19720605
SU 455547	D	19741230	SU 1972-1793235	19720605
GB 1393281	A	19750507	GB 1972-26203	19720605
AT 324007	B	19750811	AT 1972-4832	19720605
US 3941744	A	19760302	US 1973-339772	19730312
US 4066615	A	19780103	US 1975-567129	19750411
US 4241208	A	19801223	US 1978-968677	19781212

PRIORITY APPLN. INFO.:

JP 1971-39630	19710605
US 1972-258392	19720531
US 1973-339772	19730312
US 1973-414281	19731109
US 1973-414525	19731109
US 1975-636659	19751201
US 1977-792013	19770428

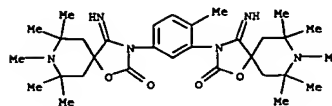
AB Piperidine derivs. having a spiro substituent at the 4-position (122 used, 119 prepd.) imparted heat and light resistances to plastics. Thus, treatment of 1,3,8-triaza-7,7,8,9,9-pentamethyl spiro[4.5]decane-2,4-dione [40075-79-4] with aq. NaOH and then with epichlorohydrin [106-89-8] gave 1,3,8-triaza-3-(2,3-epoxypropyl)-7,7,8,9,9-pentamethylspiro[4.5]decane-2,4-dione (I) [40074-73-5]. Polypropylene [9003-07-0] contg. 0.25 parts I became brittle in 1420 hr under uv light at 45 deg. (JIS 1044) compared with 100 hr for a control.

IT 40075-69-2
RL: PEP (Physical, engineering or chemical process); PROC (Process) (heat and light stabilizers, for plastics)

RN 40075-69-2 CAPLUS

CN 1-Oxa-3,8-diazaspiro[4.5]decane-2-one, 3,3'-(4-methyl-1,3-phenylene)bis[4-imino-7,7,8,9,9-pentamethyl- (9CI) (CA INDEX NAME)

L4 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



L4 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1973:137277 CAPLUS
DOCUMENT NUMBER: 78:137277
TITLE: Piperidine derivatives as polymer stabilizers
INVENTOR(S): Murayama, Keisuke; Morimura, Syoji; Yoshioka, Takao; Toda, Toshimasa; Mori, Eiko; Horiuchi, Hideo; Higashida, Susumu; Matsui, Katsuaki; Kurumada, Tomoyuki; et al.
PATENT ASSIGNEE(S): Sankyo Co., Ltd.
SOURCE: Ger. Offen., 76 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2227689	A	19721214	DE 1972-2227689	19720605
DE 2227689	B2	19810604		
DE 2227689	C3	19820311		
CA 975365	A1	19750930	CA 1972-143447	19720530
IT 961545	A	19731210	IT 1972-25120	19720531
BE 784378	A1	19721204	BE 1972-118271	19720602
NL 7207510	A	19721207	NL 1972-7510	19720602
FR 2166859	A5	19730817	FR 1972-19828	19720602
CH 601399	A	19780714	CH 1972-8230	19720602
ZA 7203827	A	19730328	ZA 1972-3827	19720605
BR 7203608	A0	19730710	BR 1972-3608	19720605
DD 102600	C	19731220	DD 1972-163453	19720605
SU 455547	D	19741230	SU 1972-1793235	19720605
GB 1393281	A	19750507	GB 1972-26203	19720605
AT 324007	B	19750811	AT 1972-4832	19720605
US 3941744	A	19760302	US 1973-339772	19730312
US 4066615	A	19780103	US 1975-567129	19750411
US 4241208	A	19801223	US 1978-968677	19781212

PRIORITY APPLN. INFO.:

JP 1971-39630	19710605
US 1972-258392	19720531
US 1973-339772	19730312
US 1973-414281	19731109
US 1973-414525	19731109
US 1975-636659	19751201
US 1977-792013	19770428

AB 1,3,8-Triaza-7,7,9,9-tetramethylspiro[4.5]decane and 3,8-diaza-1-oxa-7,7,9,9-tetramethylspiro[4.5]decane derivs. were prepd. and used as light and heat stabilizers for plastics. Thus, 5 g K salt of 1,3,8-triaza-7,7,9,9-tetramethylspiro[4.5]decane-2,4-dione [39187-12-7] and 30 g benzyl chloride [100-44-7] were refluxed 20 min and the mixt.

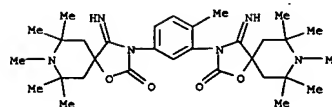
was treated with 10% NaOH to ppt. 1,3,8-triaza-3,8-dibenzyl-7,7,9,9-tetramethylspiro[4.5]decane-2,4-dione (I) [39187-13-8]; about 120-addnl. compds. were also prepd. A mixt. of 0.25 parts I in 100 parts polypropylene [9003-07-0] was formed into 0.5 mm thick films which were exposed to uv irradian at 45 deg. The embrittlement time was 760 hr.

IT 40075-69-2
RL: PEP (Physical, engineering or chemical process); PROC (Process) (stabilizers, for polymers)

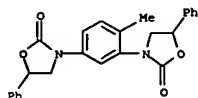
RN 40075-69-2 CAPLUS

CN 1-Oxa-3,8-diazaspiro[4.5]decane-2-one, 3,3'-(4-methyl-1,3-phenylene)bis[4-imino-7,7,8,9,9-pentamethyl- (9CI) (CA INDEX NAME)

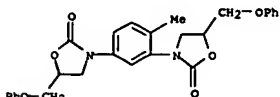
L4 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



L4 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1969:3894 CAPLUS
 DOCUMENT NUMBER: 70:3894
 TITLE: Bis-2-oxazolidinones-preparation and characterization
 AUTHOR(S): Herweh, John E.
 CORPORATE SOURCE: Res. and Develop. Center, Armstrong Cork Co.,
 Lancaster, PA, USA
 SOURCE: Journal of Heterocyclic Chemistry (1968), 5(5),
 687-90
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GI For diagram(s), see printed CA issue.
 AB 3,3'-Organobis[5-(R-substituted)-2-oxazolidinones] [organo =
 4-methyl-m-phenylene, (CH₂)₆ and 4,4'-C₆H₄CH₂-C₆H₄; R = Ph, CH₂OPh and
 BuOCH₂] (e.g. I) and 5,5'-organo-bis[3-(R-substituted)-2-oxazolidone] (R
 = p-MeC₆H₄ and Bu; organo = CH₂O(CH₂)₄OCH₂ and 4-CH₂OC₆H₄CH₂OC₆H₄-CH₂-4]
 (e.g. II) were prepd. by oxirane ring opening followed by the addn. of
 isocyanates in Me₂NCHO in the presence of LiCl. 1H N.M.R. and ir
 spectral data are given.
 IT 20844-37-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 20844-37-5 CAPLUS
 CN 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis[5-phenyl- (8CI) (CA
 INDEX NAME)



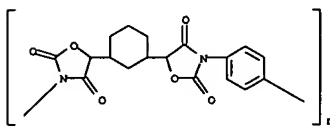
L4 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1967:433218 CAPLUS
 DOCUMENT NUMBER: 67:33218
 TITLE: Preparation of mono- and poly(2-oxazolidinones) rom
 1,2-epoxides and isocyanates
 AUTHOR(S): Sandler, Stanley R.
 CORPORATE SOURCE: Borden Chem. Co., Philadelphia, PA, USA
 SOURCE: (1967), 5(6), 1481-5
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Mono- and diepoxides were treated with mono- and diisocyanates in the
 presence of HCONMe₂ and (or) catalyst to form polyoxazolidinones and
 2-oxazolidinones. Characteristic ir bands are given, and reaction
 conditions are as follows [epoxide (moles), isocyanate (moles), catalyst
 (g.), solvent, reaction time (hrs.), reaction temp., product, m.p., and %
 yield given]: 3-phenoxy-1,2-propylene (I) (0.10), PhNCO (0.10), Me₄NI
 (0.2), HCONMe₂, 6, 160.degree., 3-phenyl-5-phenoxyethyl-2-oxazolidinone
 (II) 137-8.degree., 28; I (0.10), PhNCO (0.10), pyridine (0.2), HCONMe₂,
 6, 160.degree., II, 136-7.degree., 14; I (0.10), PhNCO (0.10), ZnBr₂
 (0.2), HCONMe₂, 6, 160.degree., II, 136-7.degree., 33; I (0.10) PhNCO
 (0.10), -, HCONMe₂, 6, 160.degree., II, 136-7.degree., 15; I (0.20),
 2,4-tolylene diisocyanate (0.10), Me₄NI, HCONMe₂, 6, 160.degree.,
 2,4-bis[3-(5-phenoxyethyl-2-oxazolidinyl)]toluene, 60-3.degree., 78;
 bisphenol A diglycidyl ether (III) (0.050), PhNCO (0.10), Me₄NI (0.20),
 HCONMe₂, 6, 160.degree., 2,2-bis[3-(3-phenyl-5-phenoxyethyl-2-
 oxazolidinyl)]propane, 40.degree., 93; (0.025), 2,4-tolylene diisocyanate
 (0.50), Me₄NI (0.20), -, 2, 120.degree., polymer, softens 70-80.degree.
 and m.>300.degree., 100; III (0.025), 2,4-tolylene diisocyanate, -, -, 2,
 120.degree., -, -, -, III (0.050), 2,4-tolylene diisocyanate (0.050),
 Me₄NI (0.20), HCONMe₂, 20, 160.degree., polymer (mol. wt. 2880) softens
 175-85.degree., 91; III (0.050), 1,6-hexamethylene diisocyanate (0.050),
 Me₄NI (0.20), HCONMe₂, 6, 160.degree., polymer gelled, -, 79; III (0.050)
 4,4'-diphenylmethane diisocyanate (0.050), Me₄NI (0.20), HCONMe₂, 6,
 160.degree., polymer (mol. wt. 2870), softens 170.degree. and m.
 190-5.degree., 100; Epon 828 (0.050), 2,4-tolylene diisocyanate (0.050),
 Me₄NI (0.4), -, 2, 120.degree., hard polymer, -, 100; III (0.050),
 2,4-tolylene diisocyanate (0.050), Me₄NI (0.4), -, 6, 160.degree., hard
 polymer, softens 170-80.degree. and m. <300.degree., 100; III (0.050),
 2,4-tolylene diisocyanate (0.050), -, -, 6, 160.degree., viscous liquid,
 -, 100; III (3.4 g.), Adiprene 1-115 (17.8 g.), Me₄NI (0.06), -, 2,
 120.degree., polymer, softens 65-70.degree. and m. <300.degree., 100.
 IT 16635-61-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 16635-61-3 CAPLUS
 CN 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis[5-(phenoxyethyl)- (8CI)
 (CA INDEX NAME)



L4 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1968:467922 CAPLUS
 DOCUMENT NUMBER: 69:67922
 TITLE: Poly(2,4-oxazolidinediones)
 INVENTOR(S): Maekawa, Haruki; Harada, Kimiko
 PATENT ASSIGNEE(S): Toyo Rayon Co., Ltd.
 SOURCE: Jpn. Tokkyo Koho, 5 pp.
 CODEN: JAXXAD
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 43009077	B4	19680412	JP	19641209

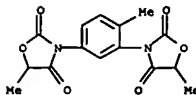
AB .alpha...alpha.'-Dihydroxydicarboxylic esters such as
 p-(MeO₂CCH(OH))₂C₆H₄
 (I), [p-MeO₂CCH(OH)C₆H₄]₂, and 1,3-cyclohexylene bisglycolate esters are
 treated with an org. diisocyanate at <150.degree. to give a polyurethane
 which was pyrolyzed to give the heat-stable title polymers. Thus, 10.1
 9. I and 10 g. (p-OCNC₆H₄)₂CH₂ in 50 ml. warm Cl₂CHCHCl₂ were treated with
 0.05 g. Bu₂Sn dilaurate to give a rubberlike polymer, which was taken up
 in HCONMe₂ and made into colorless film, m. 195-200.degree.. Heating 10
 hrs. at 200.degree. gave a yellow, flexible film, m. >300.degree.,
 resistant 15 hrs. to 65% H₂SO₄ at 100.degree.. 1,4-Cyclohexylene
 diisocyanate and p-(OCN)₂C₆H₄ were also used.
 IT 31761-47-4P
 RL: PREP (Preparation)
 (prepn. of)
 RN 31761-47-4 CAPLUS
 CN Poly[(2,4-dioxo-3,5-oxazolidinediyl)-1,3-cyclohexylene(2,4-dioxo-5,3-
 oxazolidinediyl)-p-phenylene] (8CI) (CA INDEX NAME)



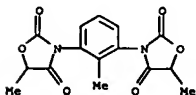
L4 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1965:498356 CAPLUS
 DOCUMENT NUMBER: 63:98356
 ORIGINAL REFERENCE NO.: 63:18092c-d
 TITLE: Oxazolidinediones
 INVENTOR(S): Matsushita, Hideo; Kambara, Saburo; Koga, Michio
 PATENT ASSIGNEE(S): Toyo Rubber Industry Co., Ltd.
 SOURCE: 3 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 40017581		19650810	JP	19630416

AB To a soln. of 21.36 g. Ca lactate in 180 ml. Me₂SO is added 24 g. Ph
 isocyanate, the whole is heated at 100.degree. for 4 hrs., and heated at
 100.degree. in vacuo to remove the Me₂SO. The residue is washed with H₂O
 to give 8.5 g. 3-phenyl-5-methyloxazolidine-2,4-dione, m. 141-2.degree.
 (C₆H₆). Similarly prepd. are 2,4(or 2,6)-bis(2,4-dioxo-5-methyl-3-
 oxazolidinyl)toluene, m. 194-200.degree., 3-propyl-5-methyloxazolidine-
 2,4-dione, b₃ 120-2.degree., 3-methyl-5-phenyloxazolidine-2,4-dione, m.
 111-12.degree., 3-phenyloxazolidine-2,4-dione, m. 120-1.degree., and
 1,6-bis(2,4-dioxo-5-methyl-3-oxazolidinyl)hexane, m. 145-50.degree.. The
 products are analgetics.
 IT 3759-88-4, 2,4-Oxazolidinedione, 3,3'-(4-methyl-m-phenylene)bis[5-
 methyl- 4552-47-0, 2,4-Oxazolidinedione, 3,3'-(2-methyl-m-
 phenylene)bis[5-methyl-
 (prepn. of)
 RN 3759-88-4 CAPLUS
 CN 2,4-Oxazolidinedione, 3,3'-(4-methyl-m-phenylene)bis[5-methyl- (7CI, 8CI)
 (CA INDEX NAME)

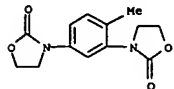


RN 4552-47-0 CAPLUS
 CN 2,4-Oxazolidinedione, 3,3'-(2-methyl-m-phenylene)bis[5-methyl- (7CI, 8CI)
 (CA INDEX NAME)

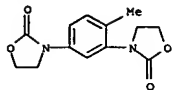


L4 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1963:462338 CAPLUS
DOCUMENT NUMBER: 59:62338
ORIGINAL REFERENCE NO.: 59:11499a
TITLE: N-Substituted oxazolidones
INVENTOR(S): Tsuzuki, Tatsuchiro; Ichikawa, Kiyoshi; Kase, Mitsuo
PATENT ASSIGNEE(S): Dainippon Printing Ink Mfg. Co., Ltd.
SOURCE: 2 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 37018190		19621120	JP	19590901
AB	A mixt. of 100 g. Ph isocyanate, 111 g. ethylene carbonate, and a small amt. of N-methylmorpholine is heated at 70.degree. 3 hrs., then at 130.degree. 2 hrs., and cooled to give 126 g. N-phenyl-oxazolidone, m. 117-19.degree. (EtOH). Similarly are prepd. N,N'-(2,4-tolylene)bis(oxazolidone) (sirupy), N-p-chlorophenyl-oxazolidone, and N-p-tolyl-oxazolidone.			
IT	93427-59-9, 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (prepn. of)			
RN	93427-59-9 CAPLUS			
CN	2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (6CI, 7CI) (CA INDEX NAME)			



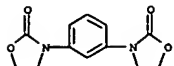
L4 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2003 ACS (Continued)



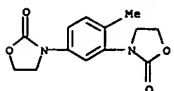
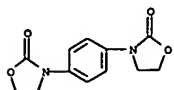
L4 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1963:14900 CAPLUS
DOCUMENT NUMBER: 58:14900
ORIGINAL REFERENCE NO.: 58:2454g-h, 2455a-b
TITLE: Oxazolidone products
PATENT ASSIGNEE(S): Jefferson Chemical Co., Inc.
SOURCE: 5 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 883984		19611206	GB	
DE 1133378			DE	
US 3020262		1962	US	
PRIORITY APPLN. INFO.:	US	19571219		
AB	The prepn. of title compds. was described. A mixt. of 100 g. phenyl isocyanate (I), 50 g. ethylene oxide (II), 3 g. tetraethylammonium bromide (III), and 300 ml. dioxane was heated 1 hr. at 200.degree. in a 1400-ml. autoclave to 190 lb./sq. in., the solvent evapd. at 40 mm., and the solid product washed with ether and crystd. from dioxane to give 3-phenyl-2-oxazolidone (IV), m. 119.8-20.2.degree.. A mixt. of 100 g. I, 75 g. propylene oxide, 3 g. III, and 300 ml. dioxane treated similarly gave after several recrystns. from EtOH, 95 g. 3-phenyl-5-methyl-2-oxazolidone, m. 79.5-81.5.degree.. A mixt. of 124 g. 2,4-tolylene diisocyanate, 100 ml. II, 300 ml. HCONMe2, and 3 g. III similarly gave 2,4-bis(3-oxazolidonyl)toluene. The product from a similar reaction of			
24	g. ethyl isocyanate, 22 g. II, and 0.4 g. III and 100 ml. MeCN was distd. through a 2.5 times. 2.5 cm. packed column to give 3-ethyl-2-oxazolidone, b10 129-30.degree., n26D 1.4515, identical with a sample prepd. from N-ethylethanamine and diethyl carbonate. Reaction of 18.4 g. 1,2-dodecylene oxide similarly with 11.9 g. I, and 0.2 g. III in 50 ml. HCONMe2 gave 3-phenyl-5-n-decyl-2-oxazolidone, m. 68.5-9.7.degree.. A solid polymer infusible up to 300.degree. was obtained from a similar reaction of 14 g. vinylcyclohexene dioxide, 17.4 g. 2,4-tolylene diisocyanate, 0.2 g. III, and 50 ml. HCONMe2. A mixt. of 20 g. of the diepoxide obtained from epichlorohydrin and bis(4-hydroxyphenyl)dimethylmethane, 17.4 g. 2,4-tolylene diisocyanate, and 0.4 g. III was heated with stirring under N to 125.degree. and the mixt. heated 4 hrs. more at 165.degree. to give 37 g. yellow resin, infusible			
up	to 300.degree.. The compds. reported are useful intermediates in the manuf. of resins and plastics.			
IT	93427-59-9, 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (prepn. of)			
RN	93427-59-9 CAPLUS			
CN	2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (6CI, 7CI) (CA INDEX NAME)			

L4 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1962:469211 CAPLUS
DOCUMENT NUMBER: 57:69211
ORIGINAL REFERENCE NO.: 57:13748f-i, 13749a-b
TITLE: Studies of 2-oxazolidinones. I. A convenient synthesis
AUTHOR(S): of 3-substituted 2-oxazolidinones
Oda, Ryohei; Miyakoshi, Masahiko; Okano, Masaya
CORPORATE SOURCE: Kyoto Univ., Sakyo-ku
SOURCE: Bulletin of the Chemical Society of Japan (1962), 35, 1309-12
CODEN: BCSJAB; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB RR'NCO2CH2CH2Cl (I) was prepd. (Method A) by the condensation of -chloroethyl chloroformate (II) with amines and (Method B) by that of isocyanates with ethylene chlorohydrin (III). I was then cyclized to 3-substituted 2-oxazolidinone by the use of NaOEt. COCl2 passed rapidly into 161 g. III 3 hrs. at 0.degree., allowed to stand until the evolution of HCl had subsided, refluxed 2 hrs., and distd. gave 93% II, b. 149-53.degree.. II (59 g.) added to a mixt. of 25 g. tert-BuNH2 and 41 g. Et3N, heated to 70.degree. 30 min., poured onto 200 ml. H2O, extd. with two 100-ml. portions Et2O, dried, and distd. yielded 63% I (R = tert-Bu), b7 90.degree.. A mixt. of 43 g. II and 34.5 g. o-nitroaniline heated to 120.degree. 1 hr. yielded 98% I (R = o-nitrophenyl), m. 70.5.degree. (ligroine). A mixt. of 25 g. nBuNCO and 21 g. III in 50 ml. dry benzene refluxed 5 hrs., concd., and distd. yielded 83% I (R = Bu), b4.3 113.degree.. III (21 g.) and 33.3 g. p-tolylisocyanate in 50 ml. toluene refluxed 2 hrs. and evapd. gave 78% I (R = p-tolyl), m. 61.degree. (benzene). I prepd. were (R, R', method of prepn., % yield, and m.p. given): Ph, H, B, 80, 49.degree.; o-tolyl, H, A, 91, 45.degree.; p-NO2C6H4, H, B, 88, 116.degree.; p-ETO2CC6H4, H, A, 86, 145.degree.; p-ClC6H4, H, A, 69, 69.degree.; 1-anthraquinonyl, H, A, 84, 184.degree.; (RR') (CH2)2, A, 39, 136.degree.; (RR') (CH2)4, B, 50, 118.degree.. Also prepd. were (ClCH2CH2O2CCH2)2C6H4-m, B, 79, 115.5.degree. and (ClCH2CH2O2CCH2)2C6H4-p, B, 78, 202.degree.. NaOEt prepd. from 7.5 g. Na and 50 ml. EtOH was added to 48.5 g. I [(RR') (CH2)4] in 50 ml. dioxane at 70-80.degree., heated 1 hr., filtered to remove NaCl, and the solvent evapd. to give 95% 3,3'-tetramethylenebis(2-oxazolidinone), m. 118.degree.. A soln. of 5g. Na in 50ml. EtOH added to 29.5 g. I (R = Ph, R' = H) in 50 ml. EtOH at 65-70.degree. and heated 1 hr. yielded 94% 3-phenyl-2-oxazolidinone, m. 1180 (benzene). 3-R-2-Oxazolidinones prepd. were (R, % yield, m.p. (or b.p.) given): Bu, 80, (b4 122.degree.); tert-Bu, 62, (b2 94.degree.); p-tolyl, 70, 91.degree.; o-tolyl, 80, (b4 170.degree.); p-ONC6H4, 93, 154.5.degree.; o-ONC6H4, 94, 165.degree.; EtO2CC6H4, 97, 110.degree.; p-ClC6H4 85, 121.degree.; 1-anthraquinonyl, 85, 226.5.degree.. Also prepd. were: 3,3'-ethylenebis(2-oxazolidinone), 80, 107.degree.; 3,3'-m-phenylenebis(2-oxazolidinone), 62, 175.degree.; 3,3'-p-phenylenebis(2-oxazolidinone), 68, 253.degree.. IT 92848-69-6, 2-Oxazolidinone, 3,3'-m-phenylenebis- (prepn. of) 92848-70-9, 2-Oxazolidinone, 3,3'-p-phenylenebis- (prepn. of) RN 92848-69-6 CAPLUS CN 2-Oxazolidinone, 3,3'-m-phenylenebis- (7CI) (CA INDEX NAME)



RN 92848-70-9 CAPIUS
CN 2-Oxazolidinone, 3,3'-p-phenylenebis- (7CI) (CA INDEX NAME)



ACCESSION NUMBER: 1959:62573 CAPIUS
DOCUMENT NUMBER: 53:62573
ORIGINAL REFERENCE NO.: 53:11345a-f
TITLE: Preparation of substituted 2-oxazolidones from 1,2-epoxides and isocyanates
AUTHOR(S): Speranza, George P.; Peppel, W. J.
CORPORATE SOURCE: Jefferson Chem. Co., Inc., Austin, TX
SOURCE: Journal of Organic Chemistry (1958), 23, 1922-4
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable
AB Quaternary ammonium halides were found to be efficient catalysts for the addn. of isocyanates to 1,2-epoxides. Substituted 2-oxazolidones (I) are obtained in good yields. KI was also found to be a good catalyst. When (CH₂)₂₀ (II) and PhNCO (III) were heated with a small amt. of tetraethylammonium bromide (IV) 1 hr. in an autoclave at 200.degree. I (3-Ph) was obtained in 92% yield. When NEt₃ was substituted, triphenyl isocyanurate (V) was noted to be the chief product and I (3-Ph) isolated with difficulty and in low yield. III (100 g.), 300 ml. dioxane, 3 g.
IV, and 50 g. II was heated 1 hr. at 200.degree. in an autoclave at 190 lb./sq. in. and 100 g. I (3-Ph) filtered off. On evapp. the dioxane an addnl. 26 g. I (3-Ph) was obtained. The product was recrystd. from dioxane. III (100 g.), 75 g. (CH₂)₃₀, 3 g. IV, and 300 ml. dioxane heated 1 hr. at 200.degree. in an autoclave and worked up similarly gave 95 g. I (3-Ph, 5-Me), m. 79.5-81.5.degree. (alc.). 2,4-Toluene diisocyanate (124 g.), 88 g. II, 300 ml. HCONMe₂, and 3 g. IV heated to 200.degree. and held 50 min. at 200-25.degree. in an autoclave gave 203 g. black oil, which dissolved in refluxing C₆H₆ gave 101 g. 2,4-di(3-oxazolidonyl)toluene, m. 136.5-7.5.degree. (alc. and then C₆H₆). HCONMe₂ (50 ml.), 18.4 g. 1,2-dodecylene oxide, 11.9 g. III, and 0.2 g. IV heated 4 hrs. at 160.degree., the solvent removed at 10 mm., and the products cooled gave 7.2 g. I (3-Ph, 5-decyl), m. 68.5-8.7.degree. (ligroine). PhNH₂ (56 g.) and 57 g. 1,2-dodecylene oxide heated 2 hrs. at 185.degree., the unreacted material distd. at 20 mm., and the oil crystd. gave 64 g. solids. Et₂CO₃ (30 g.), 0.2 g. Na, and 100 ml. xylene distd. and passed through a column packed with stainless steel gave I (3-Ph, 5-decyl). Epon 828 (20 g.), 17.4 g. 2,4-toluene diisocyanate, and 0.4 g. IV heated 4 hrs. at 165.degree. gave 37 g. resin, did not m. 300.degree.. The following addnl. examples of I were also prepd. (epoxide, isocyanate, catalyst, solvent, reaction time in hrs., reaction temp., product, m.p., and % yield given): II, EtNCO, IV, MeCN, 1.5, 200.degree., 3-Et, b10 129.degree., 26; vinylcyclohexene diepoxide, 2,4-toluene diisocyanate, IV, HCONMe₂, 4, 155.degree., resin, above 300.degree., 100; II, III, KI, MeCN, 2, 160.degree., 3-Ph, 119.degree., 74; II, III, NEt₃, MeCN, 2, 160.degree., 3-Ph, 117.degree., very low. It was postulated from the present work that opening the epoxide ring by the quaternary halide precedes addn. of the isocyanate and a mechanism is suggested.
IT 93427-59-9, 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (prepn. of)
RN 93427-59-9 CAPIUS
CN 2-Oxazolidinone, 3,3'-(4-methyl-m-phenylene)bis- (6CI, 7CI) (CA INDEX NAME)

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
91.14	243.72

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
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LAST RELOADED: May 23, 2003 (20030523/UP).

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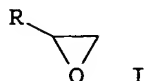
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
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162(6)

L4 ANSWER 9 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1979:168494 CAPLUS
 DOCUMENT NUMBER: 90:168494
 TITLE: Reaction of epoxides with isocyanates, II.
 Preparation and characterization of 2-oxazolidinones
 AUTHOR(S): Braun, Dietrich; Weinert, Johann
 CORPORATE SOURCE: Dtsch. Kunstst.-Inst., Darmstadt, Fed. Rep. Ger.
 SOURCE: Liebigs Annalen der Chemie (1979), (2), 200-9
 CODEN: LACHDL; ISSN: 0170-2041
 DOCUMENT TYPE: Journal
 LANGUAGE: German
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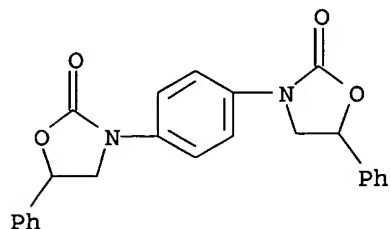


AB Isocyanates react with epoxides to yield 2-oxazolidinones. The reaction of isocyanates with unsym. substituted epoxides I (R = Me, Ph, vinyl) was studied in order to investigate differences in the direction of ring opening of the epoxides as a function of the type of catalyst (nucleophilic or electrophilic). With the exception of I (R = Ph), where 3,4-diphenyl-2-oxazolidinone and 3,3'-p-phenylenebis(4-phenyl-2-oxazolidinone) are formed, epoxides lead to 5-substituted 2-oxazolidinones, independent of the catalyst.

IT 69974-32-9P 69974-33-0P 69974-34-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

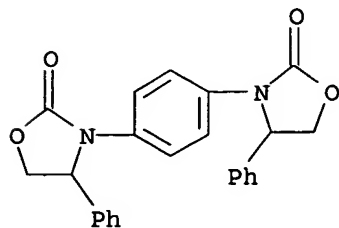
RN 69974-32-9 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[5-phenyl- (9CI) (CA INDEX NAME)



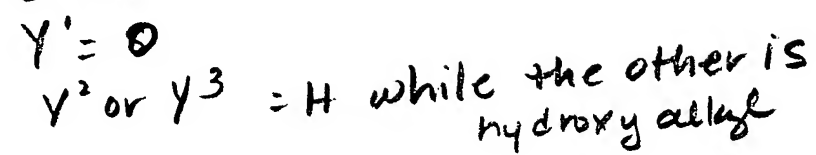
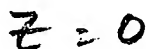
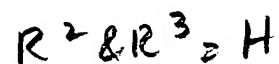
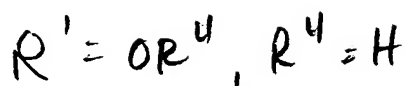
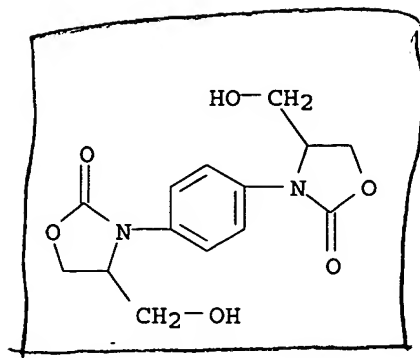
RN 69974-33-0 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-phenyl- (9CI) (CA INDEX NAME)



RN 69974-34-1 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-(hydroxymethyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1979:167509 CAPLUS

DOCUMENT NUMBER: 90:167509

TITLE: Reaction of epoxides with isocyanates, III. Study of 2-oxazolidinones by mass spectrometry

AUTHOR(S): Braun, Dietrich; Weinert, Johann

CORPORATE SOURCE: Dtsch. Kunstst.-Inst., Darmstadt, Fed. Rep. Ger.

SOURCE: Liebigs Annalen der Chemie (1979), (2), 210-18

CODEN: LACHDL; ISSN: 0170-2041

DOCUMENT TYPE: Journal

LANGUAGE: German

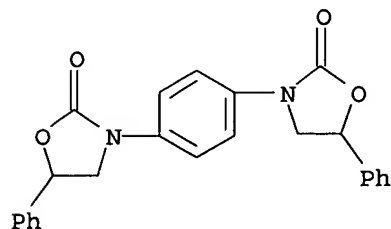
AB The decompn. of 2-oxazolidinones in the mass spectrometer is initiated by elimination of CO₂ by .beta.-decompn. and .alpha.-cleavage by liberation of CO and of the corresponding aldehyde. The 5-aryl-3-phenyl-2-oxazolidinones undergo both reactions at roughly equal rates. 5-Alkyl- or 5-alkylidene-3-phenyl-2-oxazolidinones preferentially eliminate CO₂. The main degrdn. reaction of 4-aryl-3-phenyl-2-oxazolidinones is .alpha.-cleavage.

IT 69974-21-6 69974-22-7 69974-29-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(mass spectral decompn. of)

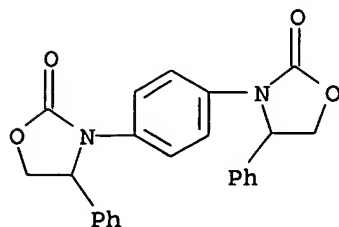
RN 69974-21-6 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[5-phenyl-, radical ion(1+)] (9CI)
(CA INDEX NAME)

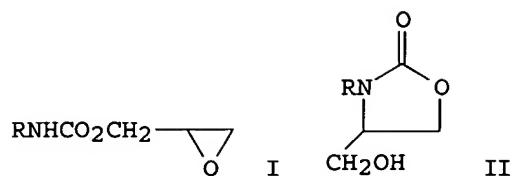


RN 69974-22-7 CAPLUS

CN 2-Oxazolidinone, 3,3'-(1,4-phenylene)bis[4-phenyl-, radical ion(1+)] (9CI)
(CA INDEX NAME)



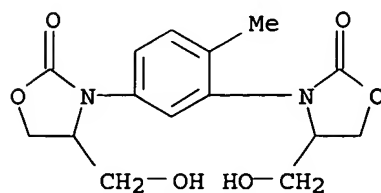
L4 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1981:570260 CAPLUS
 DOCUMENT NUMBER: 95:170260
 TITLE: Products of the isomerization of glycidylurethanes
 AUTHOR(S): Sorokin, M. F.; Shode, L. G.; Ratov, A. N.; Onosova, L. A.; Pavlyukov, S. A.
 CORPORATE SOURCE: Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
 SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1981), 24(5), 561-5
 CODEN: IVUKAR; ISSN: 0579-2991
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 GI



AB Cyclization of the title compds. (I) in solvents, bulk, or in bulk in the presence of Bu₃N [102-82-9] catalyst gave the corresponding 4-(hydroxymethyl)-2-oxazolidinones (II). I were prepd. by reacting Ph isocyanate, 2,4-tolylene diisocyanate, and hexamethylene diisocyanate with glycidol. The cyclization of I was investigated as model reaction for crosslinking of glycidylurethane-terminated polymers. The structure of II was proved by IR and NMR spectra, and acetylation.

IT 79473-16-8P
 RL: FORM (Formation, nonpreparative); PREP (Preparation)
 (formation of, by cyclization of diglycidyl tolylenebiscarbamate)

RN 79473-16-8 CAPLUS
 CN 2-Oxazolidinone, 3,3'-(4-methyl-1,3-phenylene)bis[4-(hydroxymethyl)- (9CI)
 (CA INDEX NAME)



102(b)

103(a)

$R^3/R^2 = \text{alkyl}$
 while the other is H
 $R^4 = OR^4$ where $R^4 = H$
 $Y^2/Y^3 = H$ while other is hydroxy alkyl
 $Y^1 = \text{Oxygen}$
 $Z = \text{Oxygen}$

$Z = \text{Sulfur}$
 \Rightarrow See comments in restriction